BRUHAT BANGALORE MAHANAGARA PALIKE, YELAHANKA ZONE

Executive Engineeer
Byatarayanapura Division
B.B.M.P., Bangalore - 92

DRAFT TENDER SCHEDULE

Issued to :

Original / Duplicate

Name of the Work : . Improvements of compound wall in Byatarayanapura SC'S Burial Ground In ward no 07 Byatarayanapura

Sl. No.	Quantity.	Description	Unit	Rates	
				In Figures	In Words
1	**122.10**	KSRRB 300-1. Earth work excavation by manual means in hard soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5m, excavated surface leveled and sides neatly dressed, the disposed earth to be leveled neatly after breaking of clods complete as per specifications complete as per specifications MORTH chapter 3.	cum	105.84	
2	**60.00**	Providing and laying reinforced cement concrete pipe NP3 for culverts including pointing ends, and fixing collars with cement mortar 1:2 including cost of all materials, labour, curing complete as per spefications. Specification No. 1000/2300 MOST Specifiaction no. 1000/2300 450mm dia	m	2958.12	
3	**8.00**	KSRB 12-8.3 : Constructing brick masonry inspection chamber 600x850mm, and 450mm depth, (clear inside dimension) for pipeline with three or more inlets, using table moulded non-modular bricks of class designation 50 in cement mortar 1:5m C.I cover with frame (light duty) 455x610mm internal dimensions, total weight of cover with frame (light duty) 455x610mm internal dimensions, total weight of cover with frame to be not less than 38kg (weight of cover 23kg and weight of frame 15kg) R.C.C top slab with cement concrete M 15 with 20mm and downsize granite metal, foundation concrete M5 with 40mm and downsize granite metal inside plastering 12mm thick with cement mortar 1:3 finished smooth with a floating coat of cement on walls and bed concrete complete as per standard design including cost of materials, labour charges, curing complete as per specifications.	each	8672.40	
4	**60.00**	KSRB 2.3: Filling available excavated earth (excluding rock) in sides of foundations upto plinth in layers not exceeding 20cms. In depth, compacting each deposited layer by ramming after watering with lead upto 50m and lift upto 1.5m including cost of all labour complete as per specifications.	sqm	118.80	
5	**150.75**	KSRB 5-14 Providing and constructing precast concreate solid blocks with compressive strenth not less than 3.5 new ton sq mm with cement mortor 1:4 masonary (quioin , jamb closer blocks) with solid concrete blocks of size 40X20X20cms conforming conforming to i.s : 2185/1965 in superstructure including cost of materials labour charges scaffolding curing complete as per specification .	sqm	993.60	
6	**24.79**	KSRB 5.3-3 : Providing and constructing granite / trap / basalt size stone masonry in foundation with cement mortar 1:6, stone hammerd dressed in courses not less than 15 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications.	cum	4458.36	

7	**6.77**	KSRB 4-1.5 Providing and laying position plain cement concreate of mix m20 with opc cement @ 300kgs with 20mm down size grade granite metal course aggregates @0.69 cum and fine aggregates @ .43 cum with super plastier @3lts confirming to IS9103-1999 Reffirmed 2008 machine mixed concrete layers not exeeding 15 cms thick well compacted in foundation plinth and cills including cost of all materials labour HOM of machinery curing as per specification	cum	5852.52	
8	**31.50**	KSRB 6-8.2 Construction of partition wall 10cms thick with table moulded Modular burnt bricks of class designation 5.0 newtown per sqmm with cement mortor 1:4 including providing and fixing plster mesh manufactured out of hot dippedc gelvanced iron of nominal thickness 0.35 mm 100mm wide as per I.S 2212/1991 at 7.5 m.c to c including cost of materials labour charges , scaffolding , curing complete as per specification	sqm	783.00	
9	**54.00**	KSRRB 15-3.10 Providing 20mm thick cement plaster in single coat mortor 1:3 to ceiling including ronding off corners wherever required smooth rendering providing and removing scaffolding including cost of materials laboures , curing complete as per specifications	cum	253.80	
10	**300.00**	13.9.1 Providing and fixing to wall , ceiling and floor high density polythelene pipes 6.00kgs /sqcm working pressure 32mm outside diameter raising mains & exposed distrubition pipes with special flange compression type fitting , wall clips making good the wall , ceiling and floor including cost of all materials labour charges HOM of equipments and testing complete as per specification	sqm	767.88	
11	**50.00**	13.9.1 Providing and fixing to wall , ceiling and floor high density polythelene pipes 6.00kgs /sqcm working pressure 32mm outside diameter raising mains & exposed distrubition pipes with special flange compression type fitting , wall clips making good the wall , ceiling and floor including cost of all materials labour charges HOM of equipments and testing complete as per specification	sqm	367.20	
12	**7.50**	KSRRB 7.7 Providing and fixing in Position in cement concrete 1:3:6 steel glazed widows and ventilaters side hung /top hng fully openable as p[er approved drawings using Z angles of 25X33X3 mm Weighing 1.419kg/m both for outer and inner frames and central mullion section of size 25X46X3mm . weighing 2.28kg/m duly providing Tsection 19X19X3mm weighing 0.839kg/m for glazing of windows not more than 34 cms ctoc including providing and fixing 4mm . thick reeded glass with teakwood beading of required size all steel section should confirm to is 7452:1990, 4nos , of hold facts of approved size section should be cut to length welded and electrically grinded subdividing frames electrically all the steel surface should be throughly cleaned free of rust and painted and finishing wth two coats of ready nix paint of approved colour and make including cost of materials , fixtures , labores , and HOM of machinery Complete as per specification no	sqm	3905.28	
13	**5.28**	KSRB :9-13-1. .Providing and fixing in position shuters for doors Made out of honey wood styles and railes of 40mm thick with bottom and lock rails 180mm wide top rail and styles 100mm wide as per drawing and panels of 18mm thick of exterior grade melamine impregnated Prelamination particle board of approved colour on both sides including cost of materials , labour , HOM of machineries Complete as per Specification (Excluding Cost of Fixtures) Specification	sqm	3743.28	

14	**1.00**	Geophysical survey geophysical investigation of site for sinking Borewell for supplying drinking water to the habitation either through the hand pumps, MWS or PWSS by vertical electrical sounding by adopting venner or schlumbergers's method including recconnaisance suevey of geological formation Geophysical investigation of existing ground Water in the vicinity. its quality , quality & acceptabality of the users indicating the location of the site recommendeddepth of casing pipe required to seal the tope unconsolidated formation including an extra depth 1.0 metre in consolidated formation for aquire proposed to be tapped propable yield and other information required including transportation of instrument and accessories to work site, engating technical personal and labour etc.	each	1900.00	
15	50.00	Sinking of Borewell of 165 mm clear using fast hydraulic rig of capacity 250 PSIG & above 900 CMF & abpve in al strata including over burden upto 22 m fixing of casing pipes, collars and cap with necessary cutting and threading including transporation of rig and surpporting vehicles, screws charges and cost of consumable including yield testing at the final depth with a minimum working of compressor for one hour all as specified.,0.00 to 50.00 mtrs	Rmtr	287	
16	50.00	50mtr to 100.00 mtr	Rmtr	379.00	
17	50.00	100.00 to 150.00 mtr	Rmtr	422.00	
18	50.00	150.00 to 200.00 mtr	Rmtr	464.00	
19	50.00	200.00 to 250.00 mtr	Rmtr	513.00	
20	50.00	250.00 to 300.00 mtr	Rmtr	550.00	
21	**40.00**	Supply of ISI Mark 175mm Nominal bore ,plain end steel Casing pipe grade of steel Fee 410 of wall thickness 5.4 mm thick confirming to IS 1387/1933 and manufactured by basic open hearth electric or basic oxygen process in random lenth of 5 to 7mtrs. Both ends threaded Confirming to IS 554/1985, One end fixed with a Socket Confirming to IS 4270:2001 and the other end with Screwed pipes . All pipes shall be reasonably free from defectes. The tube shall be reasonably straight should be with ISI marking, weighing 25.10kg/mtr. (Inclusive of all taxes) Casing pipe	Rmtr	1325.00	
22	**10.00**	Additional rate on item No. 2 is allowed for drilling in **over burden** and folling casing pipes beyond 20mtrs, rate at 15% and beyond 30mtrs 30% on basic rate of Rs.287 is allowed Above 20 mtrs and upto 30 mtrs	Mtrs	43.05	
23	**10.00**	b) Above 30 mtrs	Mtrs	86.10	
24	**11.00**	Providing 175 mm dia **MS Collar** (RDED SR page ii, item55)	Each	150.00	
25	**1.00**	Providing 175 mm dia **MS Cap**(as per RDED SR page ii, item-54)	Each	100.00	
26	**1.00**	Supply and delivery at site brand new Texmo / Innoval / Lubi / Sabar / Atalanta / Calamal / waterman / Radha make suitable vertical installation in 150mm dia. Borewells comprising of single stage or miultistage CF pump close coupled by means of stainless steel coupling to suitable HP suitable speed totally enclosed and filled with pure drinking water (Wet type) squirrel cage submersible induction mortor suitable for operation of 3Ph., 50Hz. 380/44 volts AC supply fitted with required accessories such as suction. casing, suction strainers, sand guard Non return valve etc., complete the pump and motor shall form an integral unit with all the required fittings 15HP 30 stage	No	52000.00	

27	**296.00**	Supplying and Drawing 3 core Flat PVC Shalted Submersible Pump Cable Manufactured with Electrolytic Grade Copper with Flexible copper conductor to table 3 class 5 of IS 8130-1984 and Virgen PVC insulation and Sheeated Suitable for working Voltage Upto 1100 Volts as per	Mtrs	151.00	
28	**1.00**	Supplying and fixing 50mm Non Return Vavle of vertical type of approved make including cost of all materials labour HOM of equipment with all leads Complete as per Specifcation	Nos	1530.00	
29	**1.00**	Supplying and fixing 50mm GM GaTe Vavle (As Per Rate approved	Nos	1430.00	
30	**1.00**	Supplying and fixing 160mm Borewell cap with clampset (As Per Rate approved by	Nos	690.00	
31	**1.00**	Supplying and fixing 50mm GI Union	Nos	245.00	
32	**2.00**	Supplying and fixing 50mm GI Elbow	Nos	120.00	
33	**35.00**	Supplying and fixing 50mm GI coller Heavy duty	Nos	1350.00	
34	**1.00**	Supplying and delivery at site brand new star / Essen / Lotus / Sun shines / Adharsh / GK Controls best indigenous make combined energy meter cum control panel board unit of size 1200x600x350mm minimum mechanically strong vermin and water proof. The unit shall have two detachable doors suitable for opration on 3ph, 50 hz, 380/440 volts, AC supply with spring loaded latch, locking device with a key ribs should be provided inside the door canopy apron and louvers ventilators shall be provided the combined energy meter cum control panel board unit suitable for operation on 3ph, 50 hz, 380/440 volts AC supply shall be consists etc., complete the panel board shall be consist etc., complete the panel board shall be fabricated on single unit in the above componenets panel board for suitable pumpset with star delta staretr out door type 10hp to 15 hp	Nos	10000.00	
35	**210.00**	Providing and fixing of 50mm G.I pipe 'C' class heavy duty foe erection of submersible pumpset	Mtrs	402.75	
36	**1.00**	Erection of combined panel board and meter unit with necessary materials and labour including providing cement concrete foundation bed cont door type etc., complete	Nos	475.00	
37	**1.00**	Supplying of TPST with rewireable porcelain channels in SM encloser 15/32 amps	Nos	1350.00	
38	**1.00**	Supplying and fixing 500x500x65mm polished wood board made up not less than 15mm thick plank in front plank one end provided for olding at other end fixing the same of the valve using through bolts and nuts	Nos	275.00	
39	**3.00**	Supplying and fixing LED Type panel board indicating lamp with required colour suitable for 220 v AC 50Hz 12/24 V DC Group 'B'.	Nos	350.00	
40	**20.00**	Supplying and drawing each PVC insulated 650/100 V grade wire in the conduct (Open or Concealed system of wiring) 7/20 or 7/36 copper wire.	Nos	25.00	
41	**1.00**	Supplying, fixing and wiring heavy duty low voltage capacitors confirming to I 2834, 3 PHASE 400/440 Volts grade for power factor improvement of rotating machinery capacitor in KVAR - rating Nos 2 KVAR	Nos	350.00	
42	**1.00**	Supplying and fixing miniature Circuit breakers on existing MCB distribution boards using necessary fixing materials and wiring complete as required P-350, I-13	Nos	1075.00	
43	**1.00**	Supplying, fixing, wiring earth electrode for grounding conduits, LC cutouts and other equipments on the meter board using 40mm dia 2.90mm thick GI pipe 2.50m long buried in a pit. The pit should be filled with equal proportion of solt and charcoal 150mm alround the pipe to complete depth. the connection from the pipe to the conduct etc., is to be established through GI wire of size as per ISI specifications 7.3.3 IS 732 using 12mm dia bolts, nuts, washers and check nuts etc., the pipe shall have 16 throught holes of 122mm dia	Nos	1500.00	
44	**10.00**	Supplying and fixing class A (medium duty) GI pipe wall thickness not less than 3.25mm on pole.	Nos	220.00	

A.E. (E.M.)

45	**35.00**	Supply 1.1 KV class UG cable from nearest BESCOM pole to panel board including earth work and road restoratio 4 core 16 sqmm. P-378, I-10(d).	Nos	150.00	
46	**35.00**	Labour charges for laying 1.1 KV class UG cable when supplied by agencies in existing trenches GI pipe / stoneware pipe/ on pole as required.	Nos	5.00	
47	**30.00**	Digging of trench of 0.6m deep x 0.5m wide refilling the trench to the required level and consolidating etc., complete	Nos	50.00	
48	**1.00**	Supply and fixing LT cast iron pot heads suitable for 1.1 KV class UG cable filled with neccesary bitumen / insulating compound complete with termiinalas, clamps, bolts, nuts, washers etc.,	Mtrs	240.00	
49	**6.00**	Supplying and fixing of porcelain fuse channel with cut-out on existing / new wooden panel using neccesary nuts, bolts and washers etc., complete	Mtrs	219.00	
50	**0.15**	Cutting of road surface for pipeline trenches and disposing of the excavated stuff as directed including barricading, danger lighting etc., in the Asphalt surface road.	Mtrs	237.44	
51	**2.25**	Cutting of road surface for pipeline trenches and disposing of the excavated stuff as directed including barricading, danger lighting etc., in the Cement concrete road.	Mtrs	497.14	
52	**4.50**	Earthwork excavation for foundation of buildings water supply, sanitary lines and electrical conduits either in pits or in trenches 1.5m and above in width, in hard soil not exceeding 1.5 m. in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50 m. after breaking of clods complete as per specifications.	Cum	198.22	
53	**70.00**	Providing and installing at site of work P.V.C pipees including cost of pipes and specials and labour including lowering into trenches, laying true to line, level and perfect linking at joints leak proof including jointing of approved type with all labour and lift charges, handling charges including encasing the pipe alround to a depth not leass than 15 cms with gravel or selected earth available from the excavation etc., complete PVC pipes of 6kg/Sqm 75mm Dia.	Rmt	117.00	
54	**4.50**	Refilling available earth around pipe lines, cables in layers not exceeding 20cms in depth, compacting each deposited layer by ramming after watering with lead upto 50m. and lift upto 1.5m. Including cost of all labour complete as per specification	Cum	53.00	
55	**2.40**	Disposing of excavated earth to the final place of disposal with all lead and lift and as directed by the Engineer in charge of the work. (Lead up to 15.00 KM)	Cum	106.85	
56	**2.00**	Transportation of pumping machineries	Rmt	850.00	
57	**1.00**	Erection of Pumping machineries	Rmt	850.00	

Executive Engineer
Byatarayanapura Division
BBMP, Bangalore - 92

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ಶಿದ್ದುಪಡಿಗಳ ಸಂಖ್ಯೆ. Nil
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ಅನುಮೋದನೆ ನೀಡಿಲಾಗಿದೆ

Superintending Engineer
Yelahanka Zone
BBMP, Bangalore - 92